Why Do Experiential Education?

- **Focuses on Decision-Making in a Resource (and Time) Constrained Environment**
- **Puts the “Practical” in practical exercise**
- **Enhances Intuitive Skills by Growing “Scar Tissue”**
- **Fight—Huddle—Fight**
- **Exposes Students to Innovations in Technology , Command and Control, and Decision-Making Tools**
- **Research Value**

Characteristics of Experiential Education

Experiential Education must:

- **Engage learners mentally**
- **Emulate real-world environments (fidelity can vary depending on learning points)**
- **Give learners a level of control over decision making**
- **Allow learners to experience effects of decisions and reflect on outcomes**
- **Revisit experiences by increasing complexity to expand learners' knowledge and skills**

Kind of like this...

Strategic Experiential Education

- **Think Joint-Interagency- Multinational.**
- **Focus on the senior leader Knowledge, Skills, and Attributes that directly affect "Deciding."**
- **Think employment of the elements of national power.**
- **Think U.S. Gov't processes, and how we can introduce 3rd/4th order effects.**
- **Think strategic leader environment- Volatility, Uncertainty, Complexity, Ambiguity.**

PROCESS-DRIVEN, NOT KNOBOLOGY!

Practicum

Individual Games & Simulations

To Increase Depth of Understanding, To Practice, or To Refine Skills

Seminar Level Role Playing Simulations

Synchronou

Asynchronou

Capstone Role Playing Simulation

Strategic Crisis Exercise

Priority Projects in Experiential Education

- **Individual Strategic Leader Development Tools:**

  - Military Global Distribution Game (MGD)

  - Computer Assisted Evaluation of Strategies, Attributes, and Responsibilities (CAESAR)

- **Collective, Multi-Player On-Line Games-**

  - Role Playing Simulation Environment

- **Support to Senior Leader Courses and Workshops**

  – **Combined/ Joint Force Land Component Commanders Course**

  – **Information Operations Workshops**

- **Strategic Decision-Making Environment(SDME)**

- **Strategic Crisis Exercise (SCE)**

“The Strategic Decision Making Environment” Initiative

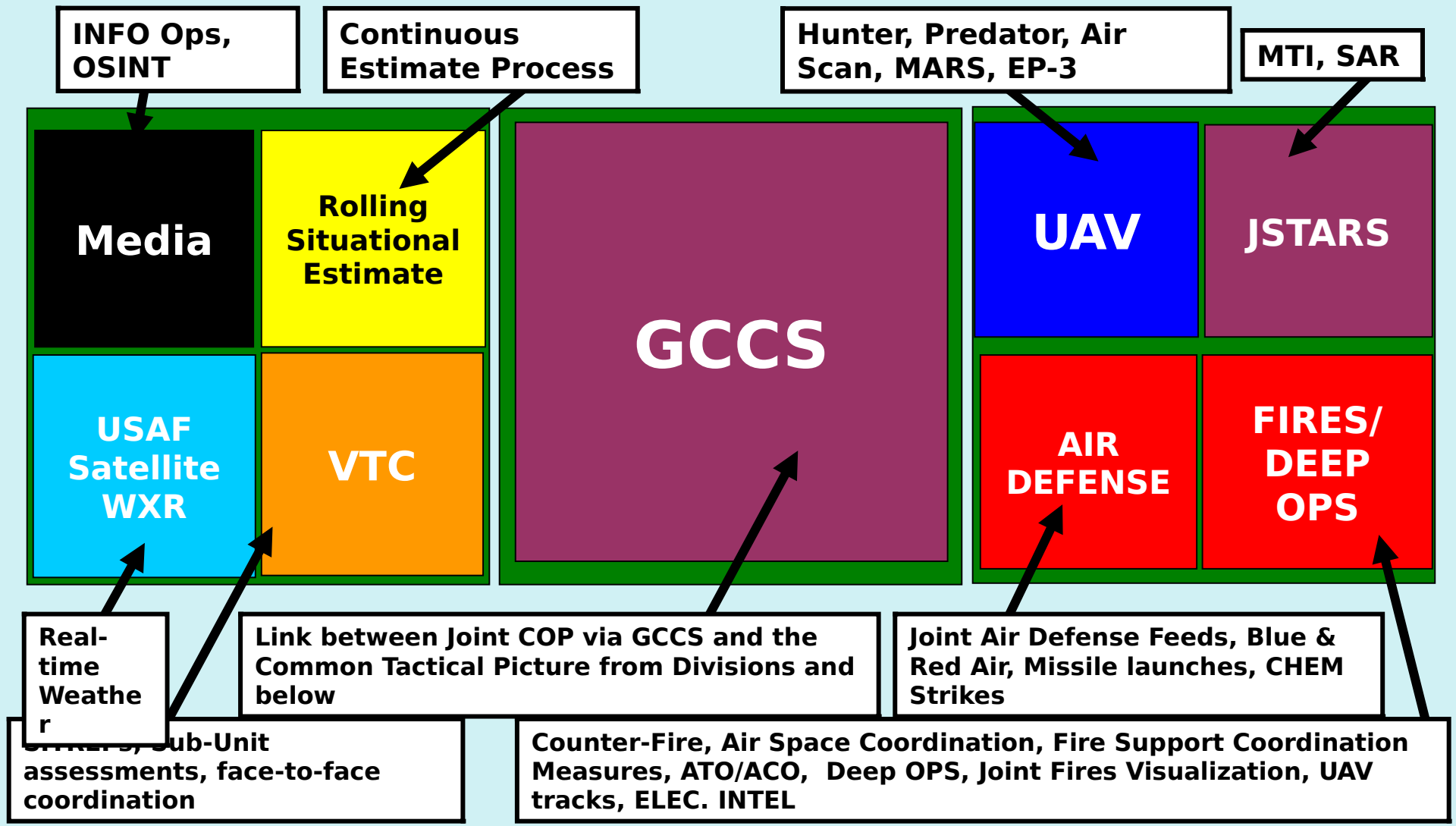
…a versatile, network centric environment designed to create a vehicle for Strategic Decision Making & Experiential Education in the Joint, Interagency, and Multinational arenas.

Strategic Education…via a *Strategic Decision Making Environment*

- What It Is:
  - A Realistic Environment of Simulated Strategic, Operational and Tactical Stimuli
  - An "All-Source Decision-Making" Environment
- What It Looks Like:
  - A National-Level or Component Command-level Information Display of multiple "feeds;" a "Command Information Center"
  - Eventually…distributed, tailored, and exportable
- What It's Not:
  - A Command Post

- Why:
  - To ***Create the Conditions*** for Strategic Decision Making
  - To Place Students into ***an Environment*** where they must choose to conduct "Information Triage" to effectively function at the Strategic Level
  - ***Not*** here to ***train*** Students to Operate in a CP, but to ***Think and Make Decisions*** as Strategic Leaders

V CORPS' OIF COMMAND WALL


INFO Ops, OSINT
Continuous Estimate Process
Hunter, Predator, Air Scan, MARS, EP-3
MTI, SAR
Media
Rolling Situational Estimate
GCCS
UAV
JSTARS
USAF Satellite WXR
VTC
AIR DEFENSE
FIRES/ DEEP OPS
Real-time Weathe r
Link between Joint COP via GCCS and the Common Tactical Picture from Divisions and below
Joint Air Defense Feeds, Blue & Red Air, Missile launches, CHEM Strikes
assessments, face-to-face coordination
Counter-Fire, Air Space Coordination, Fire Support Coordination Measures, ATO/ACO, Deep OPS, Joint Fires Visualization, UAV tracks, ELEC. INTEL

Conceptual Strategic Decision Making Wall

Real or "GNN" Style News Flow

PowerPoint presentation or feed from Group Systems

Integrated Feed from NISAC Simulation

Special NISAC Model "InSIST"

Special NISAC Model "DIISA"

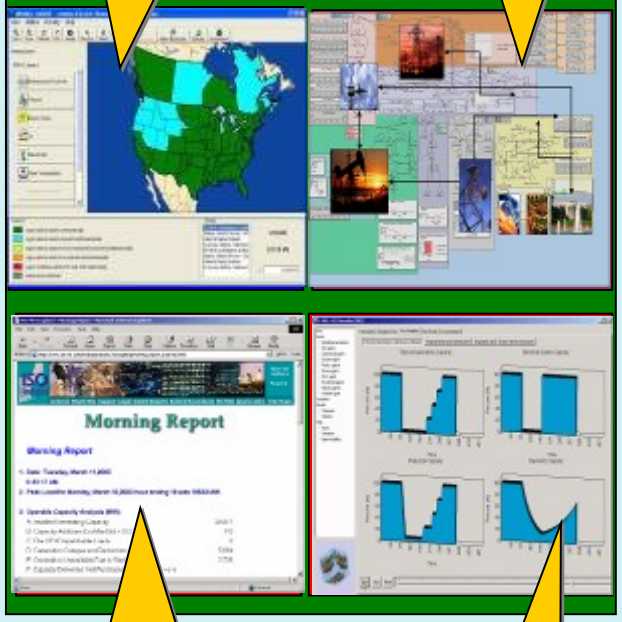
Media

Rolling Situational Estimate

USAF Satellite WXR

VTC

DHS Common Ops Picture (TBD)



Actual AF Weather Feed or Weather.com

Collaborative suite or direct video or VoIP linkage

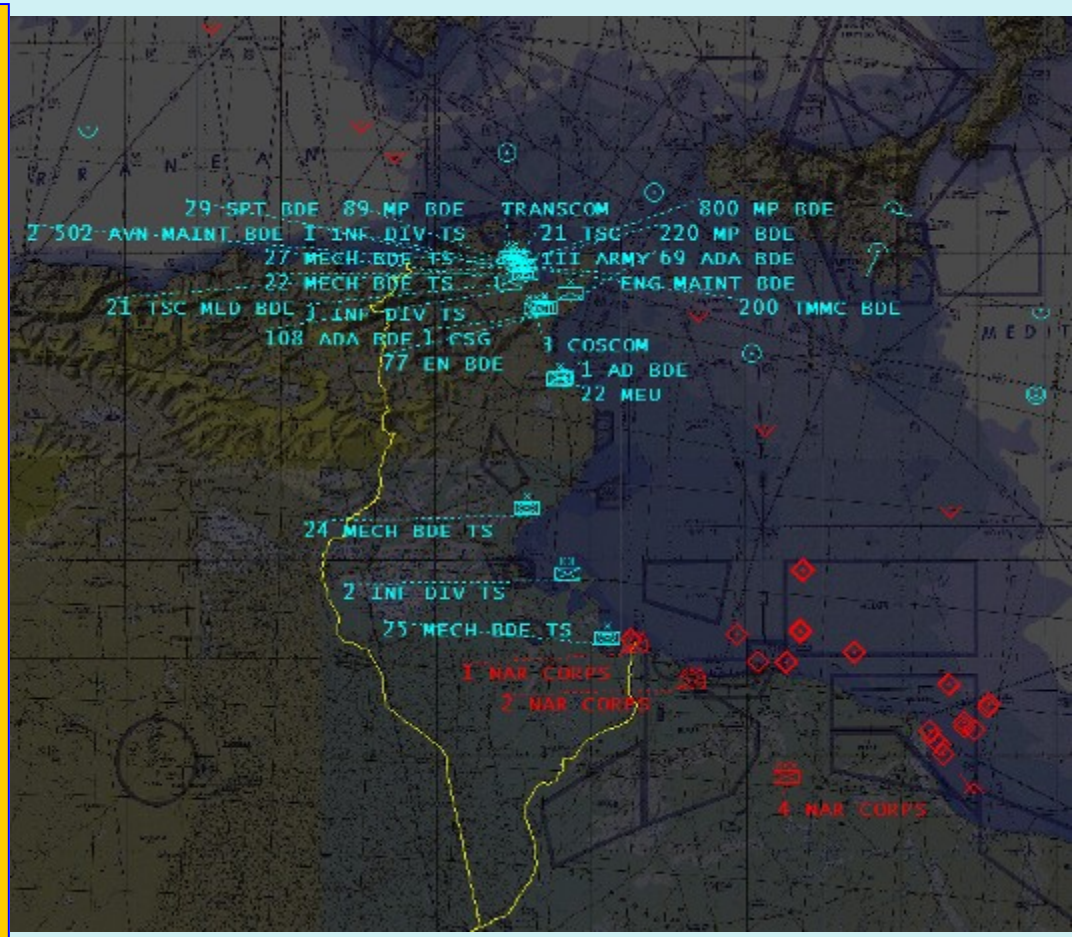
"FEDWEB" Search Page with Dynamic Results

Special NISAC Model "N-ABLE"

"DHS Conceptual Example Only"

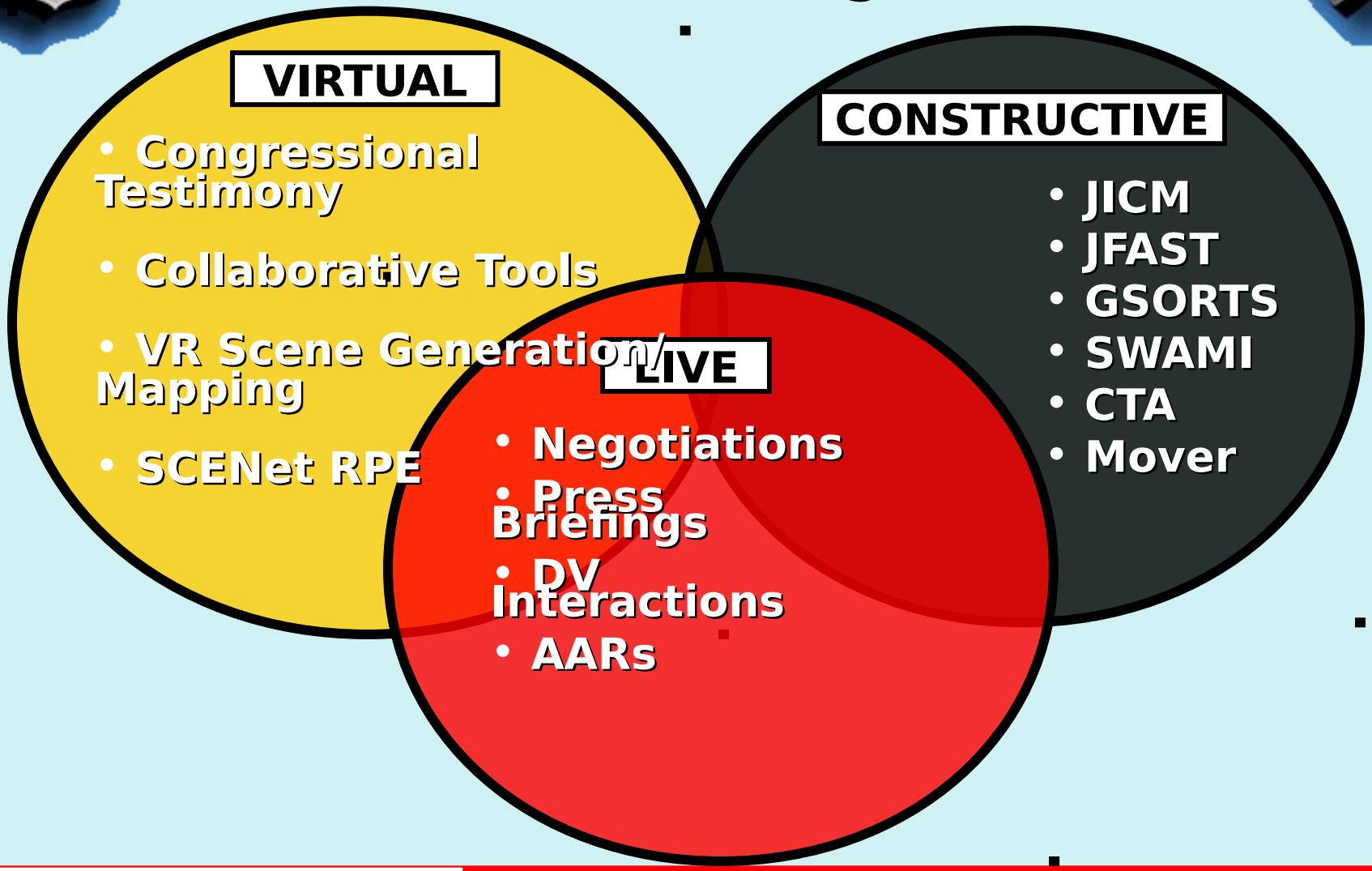
Low Overhead C4I Stimulation

- Multiple Requirements for “the picture”
  - Joint Forces Land Component Commander (JFLCC) Course
  - Modern Aids to Decision-Making Elective
  - Modeling and Simulation Elective
- Use Simulation (Entity-based), Log Files, Interface, GCCS, C2PC & Simulated UAVs (as req’d) to “paint the picture”
- Sim/Stim usually not the Learning Objective!
- It’s a supporting piece of the Environment (…hopefully the piece which brings about higher student engagement)



Exploiting Virtual and Constructive

Strategic Crisis Exercise (SCE) 2006



Is the Situation Believable, Stressful?

CONGRESS VTCs

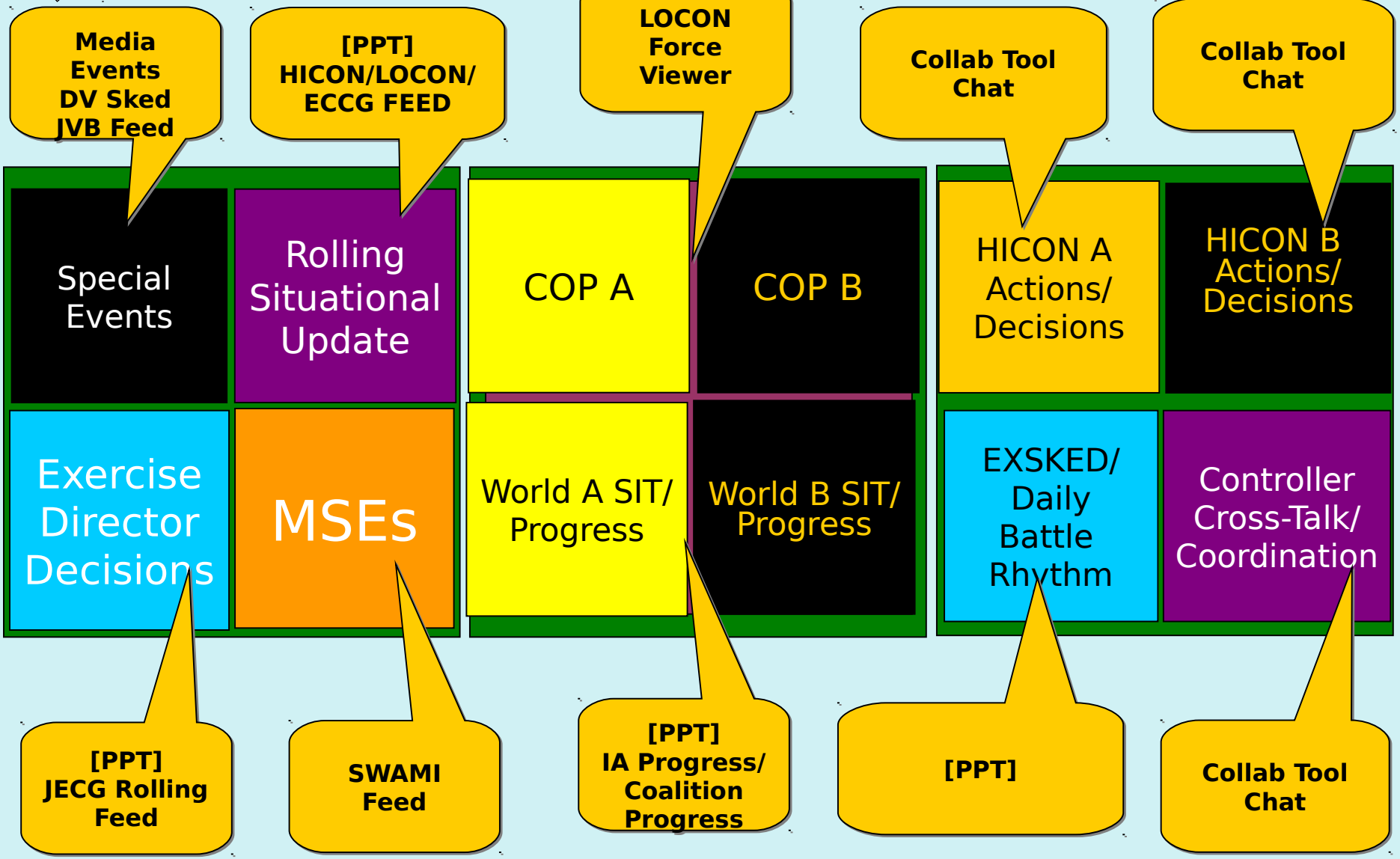
NEGOTIATIONS

- The Focus of Integration of L/V/C is not on the technology, but on the echelons and disparate players.
- At tactical level, the challenge is technological fidelity.
- At strategic level, the challenge is <u>content</u> fidelity.

DV INTERACTIONS

PRESS BRIEFINGS

Conceptual SCE COP Wall



“ Tell me, and I will forget. Show me, and I may remember. Involve me, and I will understand.”

Confucius

“ The things we have to learn before we do them, we learn by doing them.”

Aristotle